

# Manhole Inspection Summary

Manhole # S51E\_\_016MH

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**Inspection** ☐ Is Incomplete Rating: **3) Fair**

Record Plat: **51E** Node: **016** Status: **Found**

Insp Date: **4/30/09 10:14 AM**

Incomplete Comments

Crew: **REI**  
Inspector: **paulfry**  
Firm: **ATS**

**Location** Address: **2900 E BALTIMORE ST**

Cross Street: **N LINWOOD ST**

**Manhole** Type: **Junction**

Location: **Roadway**

Ground Conditions: **Dry**

☐ Prev. Rehab

Weather: **Dry**

Subject To Ponding: **None**

Comments **TRAFFIC CONTROL LANE SHIFT; USED 16LB MAUL AND SPRAY LUBRICANT TO FORCE OPEN COVER; SINGLE INSIDE DROP WITH A DOUBLE IN.**

**Cover**

Shape: **Circular**

Diameter: **24** (in.) Length: **0** (in.) Dist A/B Grade: **0** (in.)

Type: **Sanitary**

Condition: **Worn**

Cover Material: **Cast Iron**

Properties: ☐ Bolted ☐ Vented ☐ Water Tight ☐ Water Tight Insert

**Frame**

Offset: **2** (in.)

Condition: ☐ Sound

☒ **Cracked**

☒ **Leaks**

**Chimney / Frame Adjustment**

☒ Exists Material: **Brick**

☐ Parged Height: **3** (in.)

Condition: ☐ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☒ **Deteriorated**

Infiltration: ☐ None ☒ **Joint** ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Corbel**

Material: **Brick**

☐ Parged

Type: **Concentric/Eccentric**

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☐ Deteriorated

Infiltration: ☒ None ☐ Joint ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Barrel**

Material: **Brick**

☐ Parged

Shape: **D-Shape**

Diameter: **48** (in.) Length: **44** (in.)

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☐ Deteriorated

Infiltration: ☒ None ☐ Joint ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Bench**

☒ Exists Material: **Brick**

☐ Parged

Condition: ☐ Sound ☐ Cracked ☐ Root Intrusion ☐ Deteriorated ☐ Leaks ☒ **Debris**

**Channel**

Material: **Brick**

☐ Parged

Channel Exposure: **Fully Open** Junc Dist: **0** nearest .5 ft. Azimuth: **0**

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Deteriorated ☐ Leaks ☐ Debris

**Steps**

Count: **5** Missing: **6** ☒ **Corroded**

**Surcharge**

☐ Evidence Of Surcharge

Depth: **0** (ft.) ☐ Active Surcharge Present

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Location View



Top View



INSIDE DROP



INVERTED TOP VIEW SHOWING  
CONNECTIVITY OF 3 AND 9 OCLOCK  
TO THE INSIDE DROP

Defect 1



CORRODED AND MISSING STEPS

Defect 4



CRACKED/CHIPPED FRAME

Defect 3



WORN COVER

### Defect 2



FRAME OFFSET, FRAME  
INFILTRATION, DETERIORATED  
CHIMNEY, JOINT INFILTRATION

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27 in. Circular Gravity Sewer  
Pipe Out @ 12 O'Clock

12 O'Clock Outflow



Pipe Height: **27.6** (in.) Rod and Bar (Angled)  
Pipe Material: **Unknown** ☐ Pipe Lined  
Invert Depth: **20.15** (ft.) Flow Characteristics: **Fast**  
Deposits: ☐ None ☒ **Mud** ☒ **Sludge** ☐ Debris ☐ Grease  
Silt Depth: **4** (in.) Deposits Extent: **Light**  
Infiltration: **None** Pipe Seal Cond: **Sound**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

8 in. Circular Gravity Sewer  
Pipe In @ 3 O'Clock

3 O'Clock Inflow



Pipe Height: **8.4** (in.) Rod and Bar (Angled)  
Pipe Material: **Clay** ☐ Pipe Lined  
Invert Depth: **11.40** (ft.) Flow Characteristics: **Slow**  
Deposits: ☒ None ☐ **Mud** ☐ **Sludge** ☐ Debris ☐ Grease  
Silt Depth: **0** (in.) Deposits Extent:  
Infiltration: **None** Pipe Seal Cond: **Sound**

Drop In @ 3 O'Clock



Drop In for Pipe @ 3 and 9 is the same

Drop: **Inside** **Rod and Bar**  
Angled: **Yes** Reading: **16.86** (ft.)  
Inv Depth: **17.86** (ft.)  
Drop Condition: **Open**

Connects To: **Manhole**

☐ Possible Illicit Connection

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27 in. Circular Gravity Sewer

6 O'Clock Inflow

Pipe In @ 6 O'Clock



Pipe Height: **27.6** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **20.10** (ft.) Flow Characteristics: **Fast**

Deposits: ☐ None ☒ Mud ☒ Sludge ☐ Debris ☒ Grease

Silt Depth: **8** (in.) Deposits Extent: **Heavy**

Infiltration: **None** Pipe Seal Cond: **Sound**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

10 in. Circular Gravity Sewer

9 O'Clock Inflow

Pipe In @ 9 O'Clock



Pipe Height: **9.6** (in.) Rod and Bar (Angled)

Pipe Material: **Clay** ☐ Pipe Lined

Invert Depth: **11.80** (ft.) Flow Characteristics: **Slow**

Deposits: ☒ None ☐ Mud ☐ Sludge ☐ Debris ☐ Grease

Silt Depth: **0** (in.) Deposits Extent:

Infiltration: **None** Pipe Seal Cond: **Sound**

Drop In @ 9 O'Clock



Drop In for Pipe @ 3 and 9 is the same

Drop: **Inside**

**Rod and Bar**

Angled: **Yes**

Reading: **16.86** (ft.)

Inv Depth: **17.86** (ft.)

Drop Condition: **Open**

Connects To: **Manhole**

☐ Possible Illicit Connection